Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Aluminum	Outfall 002	0.75 mg/L	0.863	15%	12/2/2014
Zinc	Outfall 002	0.117 mg /L	0.123	5%	12/2/2014
Zinc	Outfall 004	0.117mg/L	0.218	86%	12/2/2014
Aluminum	Outfall 005	0.75 mg/L	1.01	34%	12/2/2014
Aluminum	Outfall 008	0.75 mg/L	3.51	368%	12/2/2014
Aluminum	Outfall 011	0.75 mg/L	3.31	341%	12/2/2014
Zinc	Outfall 013	0.117mg/L	0.465	297%	12/2/2014
Aluminum	Outfall 017	0.75 mg/L	1.66	121%	12/2/2014
Aluminum	Outfall 114	0.75 mg/L	1.97	162%	12/2/2014
O&G	Outfall 114	15 mg/L	25.8	72%	12/2/2014
Zinc	Outfall 114	0.117mg/L	1.19	917%	12/2/2014
Aluminum	Outfall 214	0.75 mg/L	2.97	296%	12/2/2014
O&G	Outfall 214	15 mg/L	45.5	203%	12/2/2014
Zinc	Outfall 214	0.117mg/L	1.3	1011%	12/2/2014
Nitrates	Outfall 24	0.68 mg/l	0.9	32%	12/2/2014
Nitrates	Outfall 11	0.68 mg /L	1.2	76%	12/31/2014
Nitrates	Outfall 20	0.68 mg /L	1.9	179%	12/31/2014
Xylene	Outfall 002	0.033 mg/L	0.063	90%	3/20/2015
Zinc	Outfall 002	0.117 mg /L	0.13	11%	3/20/2015
Zinc	Outfall 004	0.117mg/L	0.171	46%	3/20/2015
Aluminum	Outfall 008	0.75 mg/L	0.938	25%	3/20/2015
Aluminum	Outfall 009	0.75 mg/L	2.34	212%	3/20/2015
Aluminum	Outfall 011	0.75 mg/L	2.34	212%	3/20/2015
Zinc	Outfall 013	0.117mg/L	0.25	113%	3/20/2015
Aluminum	Outfall 020	0.75 mg/L	1.46	94%	3/20/2015
Zinc	Outfall 024	0.117mg/L	0.213	82%	3/20/2015
Xylene	Outfall 114	0.033 mg/L	0.094	184%	3/20/2015
Zinc	Outfall 114	0.117mg/L	0.201	71%	3/20/2015
Nitrates	Outfall 20	0.68 mg /L	1.1	61%	3/20/2015
Aluminum	Outfall 214	0.75 mg/L	2.46	228%	3/20/2015
Zinc	Outfall 214	0.117mg/L	1	754%	3/20/2015
Aluminum	Outfall 004	0.75 mg/L	0.868	16%	3/31/2015
Aluminum	Outfall 008	0.75 mg/L	1.04	38%	6/15/2015
Aluminum	Outfall 013	0.75 mg/L	1.33	77%	6/15/2015
Aluminum	Outfall 016	0.75 mg/L	2.21	194%	6/15/2015
Aluminum	Outfall 019	0.75 mg/L	1.54	105%	6/15/2015
Aluminum	Outfall 020	0.75 mg/L	0.793	5%	6/15/2015
Nitrates	Outfall 20	0.68 mg /L	2.1	208%	6/15/2015
Aluminum	Outfall 002	0.75 mg/L	0.964	28%	9/10/2015
Zinc	Outfall 002	0.117 mg /L	0.146	25%	9/10/2015
Aluminum	Outfall 004	0.75 mg/L	4.02	436%	9/10/2015
Zinc	Outfall 004	0.117mg/L	0.167	42%	9/10/2015

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Zinc	Outfall 005	0.117mg/L	0.153	30%	9/10/2015
Aluminum	Outfall 008	0.75 mg/L	4.1	446%	9/10/2015
Zinc	Outfall 008	0.117mg/L	0.175	49%	9/10/2015
Aluminum	Outfall 009	0.75 mg/L	1.09	45%	9/10/2015
Aluminum	Outfall 011	0.75 mg/L	2.77	269%	9/10/2015
Zinc	Outfall 011	0.117mg/L	0.174	48%	9/10/2015
Aluminum	Outfall 013	0.75 mg/L	2.26	201%	9/10/2015
Aluminum	Outfall 017	0.75 mg/L	5.35	613%	9/10/2015
Aluminum	Outfall 019	0.75 mg/L	0.86	14%	9/10/2015
Aluminum	Outfall 020	0.75 mg/L	2.37	216%	9/10/2015
Aluminum	Outfall 024	0.75 mg/L	4.34	478%	9/10/2015
Nitrates	Outfall 20	0.68 mg /L	2.3	238%	9/10/2015
Styrene	Outfall 002	0.016	0.06	275%	10/28/2015
Zinc	Outfall 002	0.117 mg /L	0.135	15%	10/28/2015
Aluminum	Outfall 005	0.75 mg/L	2.02	169%	10/28/2015
Zinc	Outfall 005	0.117mg/L	0.13	11%	10/28/2015
Aluminum	Outfall 008	0.75 mg/L	1.24	65%	10/28/2015
Aluminum	Outfall 011	0.75 mg/L	2.1	180%	10/28/2015
Zinc	Outfall 011	0.117mg/L	0.212	81%	10/28/2015
Zinc	Outfall 013	0.117mg/L	0.459	292%	10/28/2015
Aluminum	Outfall 017	0.75 mg/L	1.07	42%	10/28/2015
Zinc	Outfall 024	0.117mg/L	0.183	56%	10/28/2015
Nitrates	Outfall 20	0.68 mg /L	2.4	252%	10/28/2015
Aluminum	Outfall 214	0.75 mg/L	2.18	190%	10/28/2015
Zinc	Outfall 214	0.117mg/L	0.556	375%	10/28/2015
Nitrates	Outfall 24	0.68 mg/l	1.7	150%	10/28/2015
Nitrates	Outfall 24	0.68 mg/l	1.7	150%	12/31/2015
Aluminum	Outfall 002	0.75 mg/L	1.92	156%	2/16/2016
Styrene	Outfall 002	0.016	0.025	56%	2/16/2016
Xylene	Outfall 002	0.033 mg/L	0.07	112%	2/16/2016
Zinc	Outfall 002	0.117 mg /L	0.188	60%	2/16/2016
Aluminum	Outfall 004	0.75 mg/L	2.96	294%	2/16/2016
Zinc	Outfall 004	0.117mg/L	0.124	5%	2/16/2016
Aluminum	Outfall 005	0.75 mg/L	2.02	169%	2/16/2016
Aluminum	Outfall 008	0.75 mg/L	1.78	137%	2/16/2016
Aluminum	Outfall 009	0.75 mg/L	1.36	81%	2/16/2016
Aluminum	Outfall 011	0.75 mg/L	1.41	88%	2/16/2016
Aluminum	Outfall 013	0.75 mg/L	1.42	89%	2/16/2016
Aluminum	Outfall 016	0.75 mg/L	1.68	124%	2/16/2016
Aluminum	Outfall 017	0.75 mg/L	1.95	160%	2/16/2016
Aluminum	Outfall 020	0.75 mg/L	1.47	96%	2/16/2016
Zinc	Outfall 114	0.117mg/L	0.137	17%	2/16/2016

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Nitrates	Outfall 20	0.68 mg /L	1.1	61%	2/16/2016
Zinc	Outfall 214	0.117mg/L	0.127	8%	2/16/2016
Aluminum	Outfall 214	0.75 mg/L	0.812	8%	3/31/2016
Aluminum	Outfall 002	0.75 mg/L	1.76	134%	4/28/2016
Zinc	Outfall 002	0.117 mg /L	0.216	84%	4/28/2016
Aluminum	Outfall 004	0.75 mg/L	1.69	125%	4/28/2016
Zinc	Outfall 004	0.117mg/L	0.147	25%	4/28/2016
Aluminum	Outfall 005	0.75 mg/L	1.68	124%	4/28/2016
Aluminum	Outfall 008	0.75 mg/L	2.99	299%	4/28/2016
Zinc	Outfall 008	0.117mg/L	0.131	11%	4/28/2016
Aluminum	Outfall 011	0.75 mg/L	1.44	92%	4/28/2016
Zinc	Outfall 013	0.117mg/L	0.15	28%	4/28/2016
Aluminum	Outfall 017	0.75 mg/L	3.97	429%	4/28/2016
Aluminum	Outfall 019	0.75 mg/L	0.89	18%	4/28/2016
Aluminum	Outfall 024	0.75 mg/L	8.35	1013%	4/28/2016
Zinc	Outfall 024	0.117mg/L	0.288	146%	4/28/2016
Aluminum	Outfall 114	0.75 mg/L	1.21	61%	4/28/2016
Zinc	Outfall 114	0.117mg/L	0.827	606%	4/28/2016
Nitrates	Outfall 20	0.68 mg /L	1.2	76%	4/28/2016
Aluminum	Outfall 214	0.75 mg/L	2.37	216%	4/28/2016
Zinc	Outfall 214	0.117mg/L	0.9	669%	4/28/2016
Zinc	Outfall 013	0.117mg/L	0.16	36%	9/29/2016
Nitrates	Outfall 20	0.68 mg /L	3.4	400%	9/29/2016
Nitrates	Outfall 24	0.68 mg/l	0.73	7%	9/29/2016
Aluminum	Outfall 002	0.75 mg/L	2.87	282%	10/21/2016
Zinc	Outfall 002	0.117 mg /L	0.16	36%	10/21/2016
Zinc	Outfall 005	0.117mg/L	0.149	27%	10/21/2016
Aluminum	Outfall 009	0.75 mg/L	0.796	6%	10/21/2016
Aluminum	Outfall 011	0.75 mg/L	0.956	27%	10/21/2016
Aluminum	Outfall 017	0.75 mg/L	0.89	18%	10/21/2016
Xylene	Outfall 114	0.033 mg/L	0.2	506%	10/21/2016
Nitrates	Outfall 24	0.68 mg/l	0.76	12%	10/21/2016
Zinc	Outfall 004	0.117mg/L	0.205	75%	3/7/2017
Aluminum	Outfall 005	0.75 mg/L	0.864	15%	3/7/2017
Zinc	Outfall 013	0.117mg/L	0.767	555%	3/7/2017
Xylene	Outfall 114	0.033 mg/L	0.224	578%	3/7/2017
Zinc	Outfall 114	0.117mg/L	0.538	359%	3/7/2017
Nitrates	Outfall 20	0.68 mg /L	2.4	252%	3/7/2017
Zinc	Outfall 214	0.117mg/L	0.172	47%	3/7/2017
Aluminum	Outfall 002	0.75 mg/L	6.53	770%	5/11/2017
Zinc	Outfall 002	0.117 mg /L	0.239	104%	5/11/2017
Aluminum	Outfall 004	0.75 mg/L	2.03	170%	5/11/2017

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Aluminum	Outfall 005	0.75 mg/L	1.02	36%	5/11/2017
Aluminum	Outfall 008	0.75 mg/L	6.49	765%	5/11/2017
Zinc	Outfall 008	0.117mg/L	0.149	27%	5/11/2017
Aluminum	Outfall 009	0.75 mg/L	0.79	6%	5/11/2017
Aluminum	Outfall 011	0.75 mg/L	2.49	232%	5/11/2017
Aluminum	Outfall 013	0.75 mg/L	3.37	349%	5/11/2017
Aluminum	Outfall 016	0.75 mg/L	0.948	26%	5/11/2017
Aluminum	Outfall 017	0.75 mg/L	1.31	74%	5/11/2017
Aluminum	Outfall 019	0.75 mg/L	2.92	289%	5/11/2017
Aluminum	Outfall 020	0.75 mg/L	2.15	186%	5/11/2017
Aluminum	Outfall 024	0.75 mg/L	2.35	213%	5/11/2017
Zinc	Outfall 114	0.117mg/L	0.188	60%	5/11/2017
Aluminum	Outfall 004	0.75 mg/L	1.88	151%	9/30/2017
Zinc	Outfall 004	0.117mg/L	2.38	1934%	9/30/2017
Aluminum	Outfall 005	0.75 mg/L	3.76	401%	9/30/2017
Zinc	Outfall 005	0.117mg/L	0.667	470%	9/30/2017
Zinc	Outfall 011	0.117mg/L	2.16	1746%	9/30/2017
Nitrates	Outfall 11	0.68 mg /L	3.4	400%	9/30/2017
Aluminum	Outfall 004	0.75 mg/L	1.64	119%	12/31/2017
Zinc	Outfall 004	0.117mg/L	0.332	184%	12/31/2017
Aluminum	Outfall 005	0.75 mg/L	4.76	535%	12/31/2017
Zinc	Outfall 005	0.117mg/L	0.208	78%	12/31/2017
Aluminum	Outfall 008	0.75 mg/L	0.89	19%	12/31/2017
Aluminum	Outfall 011	0.75 mg/L	2.45	227%	12/31/2017
Zinc	Outfall 011	0.117mg/L	0.242	107%	12/31/2017
Zinc	Outfall 013	0.117mg/L	0.434	271%	12/31/2017
Aluminum	Outfall 017	0.75 mg/L	3.14	319%	12/31/2017
Aluminum	Outfall 020	0.75 mg/L	11.4	1420%	12/31/2017
Aluminum	Outfall 024	0.75 mg/L	5.31	608%	12/31/2017
Xylene	Outfall 114	0.033 mg/L	0.0842	155%	12/31/2017
Zinc	Outfall 114	0.117mg/L	0.471	303%	12/31/2017
Nitrates	Outfall 20	0.68 mg /L	2.7	297%	12/31/2017
Zinc	Outfall 214	0.117mg/L	0.143	22%	12/31/2017
Styrene	Outfall 002	0.016	0.09	462%	3/31/2018
Xylene	Outfall 002	0.033 mg/L	0.112	239%	3/31/2018
Zinc	Outfall 002	0.117 mg /L	0.13	11%	3/31/2018
Aluminum	Outfall 004	0.75 mg/L	1.49	98%	3/31/2018
Zinc	Outfall 004	0.117mg/L	0.223	90%	3/31/2018
Aluminum	Outfall 005	0.75 mg/L	7.02	836%	3/31/2018
Zinc	Outfall 005	0.117mg/L	0.214	82%	3/31/2018
Aluminum	Outfall 008	0.75 mg/L	2.04	172%	3/31/2018
Aluminum	Outfall 009	0.75 mg/L	3.89	418%	3/31/2018

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Zinc	Outfall 009	0.117mg/L	0.148	26%	3/31/2018
Aluminum	Outfall 011	0.75 mg/L	3.91	421%	3/31/2018
Zinc	Outfall 011	0.117mg/L	0.146	24%	3/31/2018
Zinc	Outfall 013	0.117mg/L	0.819	600%	3/31/2018
Aluminum	Outfall 016	0.75 mg/L	0.788	5%	3/31/2018
Aluminum	Outfall 017	0.75 mg/L	6.7	793%	3/31/2018
Xylene	Outfall 114	0.033 mg/L	0.049	48%	3/31/2018
Nitrates	Outfall 20	0.68 mg /L	3.1	355%	3/31/2018
Aluminum	Outfall 214	0.75 mg/L	1.72	129%	3/31/2018
Zinc	Outfall 214	0.117mg/L	0.754	544%	3/31/2018
Aluminum	Outfall 002	0.75 mg/L	1.97	162%	6/30/2018
Zinc	Outfall 002	0.117 mg /L	0.181	54%	6/30/2018
Aluminum	Outfall 004	0.75 mg/L	0.869	15%	6/30/2018
Zinc	Outfall 004	0.117mg/L	0.256	118%	6/30/2018
Aluminum	Outfall 005	0.75 mg/L	0.912	21%	6/30/2018
Aluminum	Outfall 008	0.75 mg/L	1.14	52%	6/30/2018
Aluminum	Outfall 011	0.75 mg/L	2.16	188%	6/30/2018
Zinc	Outfall 011	0.117mg/L	0.167	42%	6/30/2018
Zinc	Outfall 013	0.117mg/L	0.417	256%	6/30/2018
Aluminum	Outfall 016	0.75 mg/L	1.63	117%	6/30/2018
Aluminum	Outfall 017	0.75 mg/L	1.39	85%	6/30/2018
Aluminum	Outfall 024	0.75 mg/L	4.43	490%	6/30/2018
Zinc	Outfall 024	0.117mg/L	0.137	17%	6/30/2018
Xylene	Outfall 114	0.033 mg/L	0.27	718%	6/30/2018
Nitrates	Outfall 20	0.68 mg /L	1.3	91%	6/30/2018
Aluminum	Outfall 004	0.75 mg/L	0.8	6%	9/30/2018
Zinc	Outfall 004	0.117mg/L	0.156	33%	9/30/2018
Aluminum	Outfall 008	0.75 mg/L	1.72	129%	9/30/2018
Aluminum	Outfall 011	0.75 mg/L	2.27	202%	9/30/2018
Zinc	Outfall 013	0.117mg/L	0.537	358%	9/30/2018
Aluminum	Outfall 017	0.75 mg/L	0.984	31%	9/30/2018
Nitrates	Outfall 11	0.68 mg /L	0.8	18%	9/30/2018
Zinc	Outfall 114	0.117mg/L	0.171	46%	9/30/2018
Nitrates	Outfall 20	0.68 mg /L	2.2	224%	9/30/2018
Zinc	Outfall 002	0.117 mg /L	0.142	21%	12/31/2018
Aluminum	Outfall 004	0.75 mg/L	1.42	89%	12/31/2018
Zinc	Outfall 004	0.117mg/L	0.225	92%	12/31/2018
Aluminum	Outfall 005	0.75 mg/L	1.4	86%	12/31/2018
Aluminum	Outfall 008	0.75 mg/L	6.42	756%	12/31/2018
Zinc	Outfall 008	0.117mg/L	0.139	18%	12/31/2018
Aluminum	Outfall 011	0.75 mg/L	1.58	110%	12/31/2018
Zinc	Outfall 013	0.117mg/L	0.637	444%	12/31/2018

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Aluminum	Outfall 017	0.75 mg/L	2.2	193%	12/31/2018
Aluminum	Outfall 024	0.75 mg/L	1.3	73%	12/31/2018
Zinc	Outfall 114	0.117mg/L	0.34	191%	12/31/2018
Nitrates	Outfall 20	0.68 mg /L	0.78	15%	12/31/2018
Aluminum	Outfall 004	0.75 mg/L	4.02	436%	3/31/2019
Zinc	Outfall 004	0.117mg/L	0.142	21%	3/31/2019
Aluminum	Outfall 005	0.75 mg/L	2.36	214%	3/31/2019
Zinc	Outfall 005	0.117mg/L	0.126	7%	3/31/2019
Xylene	Outfall 008	0.033 mg/L	0.0514	55%	3/31/2019
Zinc	Outfall 008	0.117mg/L	0.158	35%	3/31/2019
Aluminum	Outfall 011	0.75 mg/L	4.27	469%	3/31/2019
Zinc	Outfall 011	0.117mg/L	0.295	152%	3/31/2019
Zinc	Outfall 013	0.117mg/L	0.428	266%	3/31/2019
Aluminum	Outfall 016	0.75 mg/L	1.2	60%	3/31/2019
Aluminum	Outfall 017	0.75 mg/L	2.58	244%	3/31/2019
Aluminum	Outfall 020	0.75 mg/L	2.27	202%	3/31/2019
Nitrates	Outfall 11	0.68 mg /L	6.3	826%	3/31/2019
Xylene	Outfall 114	0.033 mg/L	0.0732	121%	3/31/2019
Nitrates	Outfall 20	0.68 mg /L	2	194%	3/31/2019
Zinc	Outfall 002	0.117 mg /L	0.172	47%	6/30/2019
Aluminum	Outfall 004	0.75 mg/L	1.66	121%	6/30/2019
Zinc	Outfall 004	0.117mg/L	0.188	60%	6/30/2019
Aluminum	Outfall 005	0.75 mg/L	8.63	1050%	6/30/2019
Zinc	Outfall 005	0.117mg/L	0.224	91%	6/30/2019
Aluminum	Outfall 011	0.75 mg/L	1.82	142%	6/30/2019
Zinc	Outfall 013	0.117mg/L	0.267	128%	6/30/2019
Aluminum	Outfall 017	0.75 mg/L	2.16	188%	6/30/2019
Nitrates	Outfall 11	0.68 mg /L	0.86	26%	6/30/2019
Aluminum	Outfall 114	0.75 mg/L	2.98	297%	6/30/2019
Zinc	Outfall 114	0.117mg/L	0.749	540%	6/30/2019
Nitrates	Outfall 20	0.68 mg /L	0.74	8%	6/30/2019
Aluminum	Outfall 214	0.75 mg/L	1.38	84%	6/30/2019
Zinc	Outfall 214	0.117mg/L	0.141	20%	6/30/2019
Zinc	Outfall 005	0.117mg/L	0.153	30%	9/30/2019
Aluminum	Outfall 008	0.75 mg/L	5.37	616%	9/30/2019
Zinc	Outfall 008	0.117mg/L	0.153	30%	9/30/2019
Aluminum	Outfall 009	0.75 mg/L	1.89	152%	9/30/2019
Aluminum	Outfall 011	0.75 mg/L	5.06	574%	9/30/2019
Zinc	Outfall 011	0.117mg/L	0.206	76%	9/30/2019
Aluminum	Outfall 013	0.75 mg/L	2.15	186%	9/30/2019
Aluminum	Outfall 016	0.75 mg/L	1.95	160%	9/30/2019
Zinc	Outfall 016	0.117mg/L	0.195	67%	9/30/2019

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Aluminum	Outfall 019	0.75 mg/L	4.07	442%	9/30/2019
Aluminum	Outfall 020	0.75 mg/L	4.25	466%	9/30/2019
Zinc	Outfall 020	0.117mg/L	0.174	49%	9/30/2019
Aluminum	Outfall 024	0.75 mg/L	2.09	178%	9/30/2019
O&G	Outfall 024	15 mg/L	29.9	99%	9/30/2019
Zinc	Outfall 024	0.117mg/L	0.217	85%	9/30/2019
Nitrates	Outfall 11	0.68 mg /L	1.2	76%	9/30/2019
Nitrates	Outfall 20	0.68 mg /L	0.99	45%	9/30/2019
Aluminum	Outfall 002	0.75 mg/L	6.84	812%	12/31/2019
Zinc	Outfall 002	0.117 mg /L	0.438	274%	12/31/2019
Aluminum	Outfall 004	0.75 mg/L	3.68	390%	12/31/2019
Zinc	Outfall 004	0.117mg/L	0.177	51%	12/31/2019
Aluminum	Outfall 005	0.75 mg/L	5.79	672%	12/31/2019
Zinc	Outfall 005	0.117mg/L	0.189	61%	12/31/2019
Aluminum	Outfall 009	0.75 mg/L	1.73	130%	12/31/2019
Zinc	Outfall 009	0.117mg/L	0.124	6%	12/31/2019
Xylene	Outfall 011	0.033 mg/L	0.0555	66%	12/31/2019
Aluminum	Outfall 013	0.75 mg/L	4.73	530%	12/31/2019
Zinc	Outfall 013	0.117mg/L	0.549	369%	12/31/2019
Aluminum	Outfall 014	0.75 mg/L	4.53	504%	12/31/2019
Aluminum	Outfall 016	0.75 mg/L	5.17	589%	12/31/2019
Zinc	Outfall 016	0.117mg/L	0.14	20%	12/31/2019
Aluminum	Outfall 017	0.75 mg/L	1.36	81%	12/31/2019
Aluminum	Outfall 019	0.75 mg/L	1.38	84%	12/31/2019
Aluminum	Outfall 020	0.75 mg/L	5.74	665%	12/31/2019
Zinc	Outfall 020	0.117mg/L	0.132	13%	12/31/2019
Aluminum	Outfall 002	0.75 mg/L	1.07	42%	3/31/2020
Zinc	Outfall 002	0.117 mg /L	0.145	23%	3/31/2020
Aluminum	Outfall 004	0.75 mg/L	1.19	58%	3/31/2020
Zinc	Outfall 004	0.117mg/L	0.145	23%	3/31/2020
Aluminum	Outfall 005	0.75 mg/L	1.13	50%	3/31/2020
Zinc	Outfall 005	0.117mg/L	0.138	17%	3/31/2020
Aluminum	Outfall 009	0.75 mg/L	1.04	38%	3/31/2020
Zinc	Outfall 009	0.117mg/L	0.139	18%	3/31/2020
Aluminum	Outfall 011	0.75 mg/L	1.1	46%	3/31/2020
Zinc	Outfall 011	0.117mg/L	0.143	22%	3/31/2020
Aluminum	Outfall 013	0.75 mg/L	1.08	44%	3/31/2020
Zinc	Outfall 013	0.117mg/L	0.141	20%	3/31/2020
Aluminum	Outfall 017	0.75 mg/L	1.14	52%	3/31/2020
Aluminum	Outfall 019	0.75 mg/L	1.12	49%	3/31/2020
Aluminum	Outfall 020	0.75 mg/L	1.1	46%	3/31/2020
Zinc	Outfall 020	0.117mg/L	0.14	20%	3/31/2020

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Aluminum	Outfall 114	0.75 mg/L	1.14	52%	3/31/2020
Zinc	Outfall 114	0.117mg/L	0.0141	20%	3/31/2020
Aluminum	Outfall 002	0.75 mg/L	1.49	98%	6/30/2020
Xylene	Outfall 002	0.033 mg/L	0.0635	92%	6/30/2020
Zinc	Outfall 002	0.117 mg /L	0.213	82%	6/30/2020
Aluminum	Outfall 004	0.75 mg/L	1.06	41%	6/30/2020
Zinc	Outfall 004	0.117mg/L	0.143	22%	6/30/2020
Aluminum	Outfall 008	0.75 mg/L	0.849	13%	6/30/2020
BOD5	Outfall 008	30 mg/L	67.8	78%	6/30/2020
Aluminum	Outfall 009	0.75 mg/L	4.26	468%	6/30/2020
Zinc	Outfall 009	0.117mg/L	0.136	16%	6/30/2020
Aluminum	Outfall 011	0.75 mg/L	5.58	644%	6/30/2020
Zinc	Outfall 011	0.117mg/L	0.214	82%	6/30/2020
Zinc	Outfall 013	0.117mg/L	0.428	265%	6/30/2020
Aluminum	Outfall 017	0.75 mg/L	1.31	74%	6/30/2020
Aluminum	Outfall 019	0.75 mg/L	0.872	16%	6/30/2020
Aluminum	Outfall 024	0.75 mg/L	3.05	306%	6/30/2020
Nitrates	Outfall 11	0.68 mg /L	1.19	75%	6/30/2020
Zinc	Outfall 114	0.117mg/L	0.22	88%	6/30/2020
Aluminum	Outfall 002	0.75 mg/L	1.08	44%	9/30/2020
Zinc	Outfall 002	0.117 mg /L	0.203	73%	9/30/2020
Aluminum	Outfall 004	0.75 mg/L	1.44	92%	9/30/2020
Zinc	Outfall 004	0.117mg/L	0.185	58%	9/30/2020
Aluminum	Outfall 008	0.75 mg/L	1.81	141%	9/30/2020
Zinc	Outfall 008	0.117mg/L	0.231	97%	9/30/2020
Aluminum	Outfall 011	0.75 mg/L	1.9	153%	9/30/2020
Zinc	Outfall 013	0.117mg/L	0.38	224%	9/30/2020
Aluminum	Outfall 017	0.75 mg/L	2.24	198%	9/30/2020
Aluminum	Outfall 024	0.75 mg/L	0.989	31%	9/30/2020
Nitrates	Outfall 11	0.68 mg /L	0.75	10%	9/30/2020
Nitrates	Outfall 20	0.68 mg /L	0.95	39%	9/30/2020
Aluminum	Outfall 214	0.75 mg/L	1.16	54%	9/30/2020
Nitrates	Outfall 24	0.68 mg/l	0.77	13%	9/30/2020
Phenolics	Outfall 001	0.032 mg/L	0.513	1500%	10/31/2020
Phenolics	Outfall 001	0.016 mg/L	0.259	1519%	10/31/2020
Aluminum	Outfall 002	0.75 mg/L	1.47	96%	12/31/2020
Zinc	Outfall 002	0.117 mg /L	0.173	48%	12/31/2020
Aluminum	Outfall 004	0.75 mg/L	2.62	249%	12/31/2020
Aluminum	Outfall 008	0.75 mg/L	5.88	684%	12/31/2020
Zinc	Outfall 008	0.117mg/L	0.325	178%	12/31/2020
Aluminum	Outfall 011	0.75 mg/L	2.98	297%	12/31/2020
Aluminum	Outfall 013	0.75 mg/L	2.58	244%	12/31/2020

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Zinc	Outfall 013	0.117mg/L	1.9	1524%	12/31/2020
Aluminum	Outfall 017	0.75 mg/L	4.12	449%	12/31/2020
Aluminum	Outfall 024	0.75 mg/L	7.5	900%	12/31/2020
Zinc	Outfall 024	0.117mg/L	0.279	138%	12/31/2020
Nitrates	Outfall 11	0.68 mg /L	0.74	9%	12/31/2020
Aluminum	Outfall 114	0.75 mg/L	1.16	55%	12/31/2020
Xylene	Outfall 002	0.033 mg/L	0.035	6%	3/31/2021
Zinc	Outfall 002	0.117 mg /L	0.213	82%	3/31/2021
Zinc	Outfall 004	0.117mg/L	0.418	257%	3/31/2021
Aluminum	Outfall 005	0.75 mg/L	1.12	49%	3/31/2021
Aluminum	Outfall 008	0.75 mg/L	1.52	103%	3/31/2021
Aluminum	Outfall 009	0.75 mg/L	1.72	129%	3/31/2021
Aluminum	Outfall 011	0.75 mg/L	1.62	116%	3/31/2021
Zinc	Outfall 013	0.117mg/L	1.49	1174%	3/31/2021
Aluminum	Outfall 017	0.75 mg/L	2.79	272%	3/31/2021
Nitrates	Outfall 11	0.68 mg /L	0.72	6%	3/31/2021
Aluminum	Outfall 114	0.75 mg/L	1.42	89%	3/31/2021
Zinc	Outfall 114	0.117mg/L	0.345	195%	3/31/2021
Nitrates	Outfall 20	0.68 mg /L	0.88	29%	3/31/2021
Aluminum	Outfall 002	0.75 mg/L	5.29	605%	6/30/2021
Zinc	Outfall 002	0.117 mg /L	0.6	413%	6/30/2021
Aluminum	Outfall 004	0.75 mg/L	2.03	171%	6/30/2021
Zinc	Outfall 004	0.117mg/L	0.236	102%	6/30/2021
Aluminum	Outfall 005	0.75 mg/L	2.93	291%	6/30/2021
Zinc	Outfall 005	0.117mg/L	0.54	362%	6/30/2021
Aluminum	Outfall 008	0.75 mg/L	3.56	375%	6/30/2021
Zinc	Outfall 008	0.117mg/L	0.664	468%	6/30/2021
Aluminum	Outfall 011	0.75 mg/L	14.2	1793%	6/30/2021
Zinc	Outfall 011	0.117mg/L	0.862	637%	6/30/2021
Zinc	Outfall 013	0.117mg/L	0.692	491%	6/30/2021
Aluminum	Outfall 017	0.75 mg/L	4.56	508%	6/30/2021
Aluminum	Outfall 019	0.75 mg/L	0.789	5%	6/30/2021
Aluminum	Outfall 024	0.75 mg/L	4.28	471%	6/30/2021
Zinc	Outfall 024	0.117mg/L	0.265	126%	6/30/2021
Aluminum	Outfall 114	0.75 mg/L	0.787	5%	6/30/2021
Zinc	Outfall 114	0.117mg/L	0.294	151%	6/30/2021
Aluminum	Outfall 214	0.75 mg/L	1.41	88%	6/30/2021
Zinc	Outfall 214	0.117mg/L	0.289	147%	6/30/2021
Phenolics	Outfall 001	0.032 mg/L	0.046	44%	7/31/2021
Phenolics	Outfall 001	0.016 mg/L	0.034	113%	7/31/2021
Nitrates	Outfall 11	0.68 mg /L	1.2	76%	9/30/2021
Aluminum	Outfall 002	0.75 mg/L	1.06	41%	12/31/2021

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Zinc	Outfall 002	0.117 mg /L	0.369	215%	12/31/2021
Aluminum	Outfall 004	0.75 mg/L	2.25	200%	12/31/2021
Zinc	Outfall 004	0.117mg/L	0.216	85%	12/31/2021
Zinc	Outfall 004	0.117mg/L	0.645	451%	12/31/2021
Aluminum	Outfall 008	0.75 mg/L	1.14	52%	12/31/2021
Zinc	Outfall 008	0.117mg/L	0.792	577%	12/31/2021
Aluminum	Outfall 009	0.75 mg/L	1.09	45%	12/31/2021
Zinc	Outfall 009	0.117mg/L	0.156	33%	12/31/2021
Aluminum	Outfall 011	0.75 mg/L	1.44	92%	12/31/2021
Zinc	Outfall 011	0.117mg/L	0.229	96%	12/31/2021
Zinc	Outfall 013	0.117mg/L	2.7	2208%	12/31/2021
Zinc	Outfall 016	0.117mg/L	0.13	11%	12/31/2021
Zinc	Outfall 114	0.117mg/L	0.358	206%	12/31/2021
Xylene	Outfall 002	0.033 mg/L	0.053	61%	3/31/2022
Aluminum	Outfall 004	0.75 mg/L	0.899	20%	3/31/2022
Zinc	Outfall 004	0.117mg/L	0.268	129%	3/31/2022
Zinc	Outfall 005	0.117mg/L	1.11	849%	3/31/2022
Aluminum	Outfall 008	0.75 mg/L	1.69	125%	3/31/2022
Zinc	Outfall 008	0.117mg/L	0.955	716%	3/31/2022
Aluminum	Outfall 009	0.75 mg/L	1.76	135%	3/31/2022
Zinc	Outfall 009	0.117mg/L	0.201	72%	3/31/2022
Aluminum	Outfall 011	0.75 mg/L	4.54	505%	3/31/2022
Zinc	Outfall 011	0.117mg/L	0.678	479%	3/31/2022
Aluminum	Outfall 013	0.75 mg/L	1.96	161%	3/31/2022
Zinc	Outfall 013	0.117mg/L	5.66	4738%	3/31/2022
Aluminum	Outfall 017	0.75 mg/L	14.1	1780%	3/31/2022
Aluminum	Outfall 019	0.75 mg/L	5.74	665%	3/31/2022
Aluminum	Outfall 024	0.75 mg/L	14.4	1820%	3/31/2022
Zinc	Outfall 024	0.117mg/L	0.665	468%	3/31/2022
Zinc	Outfall 114	0.117mg/L	0.343	193%	3/31/2022
Nitrates	Outfall 20	0.68 mg /L	7.2	959%	3/31/2022
Zinc	Outfall 214	0.117mg/L	0.159	36%	3/31/2022
Nitrates	Outfall 24	0.68 mg/l	1.4	106%	3/31/2022
Aluminum	Outfall 002	0.75 mg/L	0.867	16%	6/30/2022
Zinc	Outfall 002	0.117 mg /L	0.198	69%	6/30/2022
Aluminum	Outfall 004	0.75 mg/L	2.08	177%	6/30/2022
Zinc	Outfall 004	0.117mg/L	0.428	266%	6/30/2022
Aluminum	Outfall 005	0.75 mg/L	0.964	29%	6/30/2022
Zinc	Outfall 005	0.117mg/L	0.136	16%	6/30/2022
Aluminum	Outfall 008	0.75 mg/L	1.62	116%	6/30/2022
Zinc	Outfall 008	0.117mg/L	0.408	249%	6/30/2022
Aluminum	Outfall 009	0.75 mg/L	1.04	39%	6/30/2022

Appendix C: Effluent Limit Violations

United States and PADEP v. Eastman Chemical Resins, Inc.

Parameter	Outfall	Limit	Discharged (mg/l)	Above Limit	Date
Aluminum	Outfall 011	0.75 mg/L	5.08	577%	6/30/2022
Zinc	Outfall 011	0.117mg/L	0.315	169%	6/30/2022
Zinc	Outfall 013	0.117mg/L	0.805	588%	6/30/2022
Aluminum	Outfall 017	0.75 mg/L	2.08	177%	6/30/2022
Aluminum	Outfall 019	0.75 mg/L	0.84	12%	6/30/2022
Nitrates	Outfall 11	0.68 mg /L	1.1	62%	6/30/2022
Aluminum	Outfall 002	0.75 mg/L	1.18	57%	9/30/2022
Zinc	Outfall 002	0.117 mg /L	0.384	228%	9/30/2022
Zinc	Outfall 004	0.117mg/L	0.3	156%	9/30/2022
Aluminum	Outfall 005	0.75 mg/L	1.11	48%	9/30/2022
Zinc	Outfall 005	0.117mg/L	0.156	33%	9/30/2022
Zinc	Outfall 008	0.117mg/L	0.183	56%	9/30/2022
Aluminum	Outfall 009	0.75 mg/L	1.11	48%	9/30/2022
Zinc	Outfall 009	0.117mg/L	0.118	1%	9/30/2022
Aluminum	Outfall 011	0.75 mg/L	1.08	44%	9/30/2022
Zinc	Outfall 011	0.117mg/L	0.148	26%	9/30/2022
Zinc	Outfall 013	0.117mg/L	6.71	5635%	9/30/2022
Aluminum	Outfall 019	0.75 mg/L	1.08	44%	9/30/2022
Aluminum	Outfall 020	0.75 mg/L	1.36	81%	9/30/2022
Nitrates	Outfall 20	0.68 mg /L	12.1	1679%	9/30/2022